CONFIDENTIAL

October 2, 1964

25X1

[redacted]
Post Office Box 9642
Rosslyn Station
Arlington, Virginia 22209

Attention: [redacted] 25X1

Gentlemen:

[redacted] is pleased to submit for your evaluation a Cost and Technical Proposal for the design and manufacture of one (1) or two (2) pair of Low Power Wide Field Objectives for use with the [redacted] High Power Stereoviewer. Copies of our Technical Proposal are enclosed, as are copies of an outline drawing of the proposed objective. 25X1 25X1

A fixed price contract is anticipated. Our Cost Analysis is included as Attachment A.

Delivery of the end item is estimated at within 12 weeks after authorization to proceed.

If you have any questions concerning this proposal, please contact the writer directly.

25X1

[redacted]
Photogrammetric Contracts Section

GJJ:bp

CONFIDENTIAL

Group 1
Excluded from automatic
downgrading and
declassification

DDR-Dupe

[redacted] 25X1

TECHNICAL DESCRIPTION and DESIGN OBJECTIVES for PROTOTYPES of a [redacted] WIDE FIELD OBJECTIVE 25X1

This lens is a low magnification, wide field microscope objective. It is approximately parfocal with the higher magnification objectives used with the [redacted] Dyna-Zoom Laboratory Microscope. This objective may be used with the four position nosepiece without interfering with the other objectives. 25X1

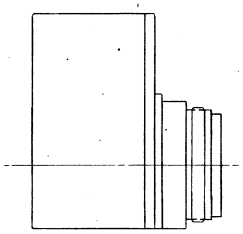
The real field of a microscope is equal to the field of the eyepiece divided by the magnification of the objective. The only way to get a significant increase in field is to lower the magnification of the objective. Lower magnification necessarily means increased working distance and below magnifications of approximately 3.5X the objectives cease to be parfocal.

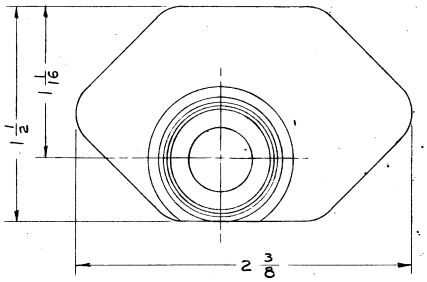
The objective lens covered by this description has a prism cluster in the lower conjugate that folds up the optical path enabling the lens to have a shoulder-to-object distance the same as that of the other lenses used on the DynaZoom Microscope. This prism cluster does not invert or revert the image.

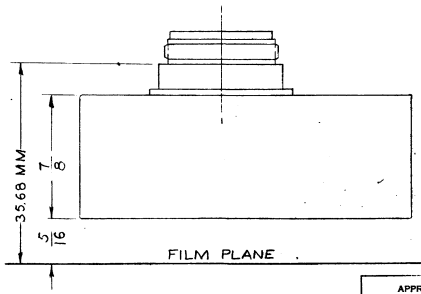
The nominal magnification of this lens is 1.3X. The field depends on the eyepiece. With the [redacted] 10X Wide Field Eyepiece, Catalog Number 31-05-60, the real field is approximately 14.0mm. 25X1

No resolution requirement is specified for the prototype lot since the primary objective is a wider field for initial location of areas of interest. Specifications for follow-on quantities will be determined after evaluation of the prototype.

[redacted] 25X1







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CHANGES	LOC	NUMBER / DATE

DO NOT SCALE—WORK TO FIGURES
REPORT ERRORS—UNLESS OTHERWISE SPECIFIED TOLERANCES ARE AS NOTED

TYPE	FRAC.	DEC.	ANG.
MACHINED			
CAST-MOLDED			

THREADS—CL-2 UNIFIED

APPROVALS	SECT. HEAD
APPROVED FOR PROTOTYPE MANUFACTURING	
APPROVED FOR PRE-AUTHORIZATION TOOLING AND PARTS	
AUTHORIZED FOR PRODUCTION	

ASS'Y SHOWN ON

COSMETIC QUALITY - GRADE D
UNLESS OTHERWISE SPECIFIED

MATL.

FINISH

UNIT

SCALE 2 X SIZE

DRWN

CHKD.

APRD.

DATE 9-17-64

WIDE FIELD OBJ. 1.3 X

OUTLINE DRAWING

C 588334-

25X1

25X1

Form 1871-2

Approved For Release 2006/12/11 : CIA-RDP78B04770A000100020007-3